

OSCILLATOR

Oregon Tualatin Valley Amateur Radio Club (Est. 1978) December 1997

THE PREZ SAYS

By Betty, N7REX

December's meeting will be a short one with awards, recognitions and the like. Most of the evening will be filled with conversation, dancing, munching on snacks, listening to music, reminiscing about our collective accomplishments for last year, helping plan for next year, the raffle drawing and more fun. The board and I need your help.

If you have any wonderful "white elephants" you would like to donate to the drawing (as some of you did last year), please bring them along and set them on the table. That gift you never got around to using or that equipment you bought and then found you couldn't use etc.

If you have a favorite cookie recipe, or several favorites, bake some up and bring along to share for desert. The Elks Club has given permission for the home baked cookies for our dessert table. I suppose if we stretched our definition, fudge or brownies would also qualify. If you don't have time to bake, but want to add to the dessert table, feel free to buy some.

If you have some ideas for next year's programs, bring them along with the pertinent information of who to contact and where. We will also have 2X5 cards available at the meeting if inspiration strikes you there. Please give as many details as you can to help JD get his most important job done.

If you participated in any club related or other ham related activity this year, please bring information about it (i.e. time and date) to help us fill in our "year in Review" board. We got started on it at our last meeting, but have a long way to go.

If you or your family celebrated any milestones (i.e. 50th birthday, 25th wedding anniversary,

50th wedding anniversary, graduating from high school, or college, etc.) or if you or your family shared in any of life's miracles (i.e. the birth of a child, grandchild or great grandchild, etc.), or if you or your family received any awards (worked all states, all nations, employee of the month, ham of the year, etc.) and would be willing to share them, please plan to help fill up our poster....we will provide the markers. PS, these may show up in future Oscillators as news bits.

If you have a little extra non-perishable food, please bring it along to share with the Elks for their annual food drive. There will be a raffle ticket for all those who bring in 3 cans or packages of food, but remember you must bring it back to the food collection barrel in the room where we are meeting. Be more generous, get even more chances to win. NOTE: The meeting will be in the main lodge meeting room directly forward when you come in the front doors and not in the back where we usually meet.

I hope to see you at the December meeting. Come join the celebration. 73, Betty

NEXT MEETING

Wednesday, December 8TH

This is our annual Christmas Dinner Party. It is on our usual second Wednesday meeting night at the usual time, 7PM, and at the Beaverton Elks Lodge. Be sure



and bring a bag with three cans or packages of food for the Elks Xmas

Food program.



W7OTV 146.90 (RPTR)

WWW.EASYSTREET.COM/OTVARC

FAILURE TO COMMUNICATE

From World Radio.

It was the night before Christmas and Wanda, the XYL, was busy stuffing goodies into the grandkids' stockings. It was finally quiet in the house and I decided to sneak up to the shack and see if any like minded souls had the same idea.

Forty and eighty meters were both quiet and after one short QSO with another grandpa, I went back downstairs.

"Talk to anybody?" Wanda asked.

"Just one," I said. "The bands are pretty dead."

"Well, you could talk to me," she said.

"Okay," I said, trying to be amiable. "Dah-dit-dah-dit dah-dah-dit-dah."

Then she hit me!

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SPECIAL INCENTIVE FOR HAM RADIO CLUBS

By W7OTV

OTVARC recently received a mailing the board has decided to share with you. It was sent by Amateur Electronic Supply, located in Milwaukee, Wisconsin. AES is a 40 year-old company and on this, their 40th Anniversary, they are running a promotion. The text of the letter is:

"Everybody likes something when it's FREE! Well, we have a deal for you. Your club can accumulate *Purchasing Power* at AES. Use it for a new repeater antenna, a radio for the club station, or for prizes at your swapfest - anything you want!

The way it works is very simple. Every time a Club Member buys something from AES, at our everyday low prices, AES will allow the club 1% of the total invoice towards a purchase. In simple terms, your club member saves by buying at AES and your club accumulates *Free funds* for equipment, etc,

The accrual period is one year, starting September 1, 1997, ending September 1, 1998. You can use it before that time but it does not carry over from year to year. If the item or items total more than what is in the fund, the club may pay for the difference. All requests for merchandise must be on a club letterhead and, if there is a difference, paid for with a club check.

Starting now, have your club members turn in a copy of their AES purchase invoices to a club representative. Have him throw all those receipts into a box and start building the fund (based on 1% of those invoices) toward the radios, antennas or whatever the club needs.

Talk this up at every membership meeting, breakfast, or wherever you see each other and start getting everyone involved. With just a little effort, your club could acquire a significant amount of new equipment virtually FREE.

Remember to keep copies of all receipts. We must have copies to apply the 1% to the club fund.

Signed: Mike Hansen, N9LBQ, AES Sales and Marketing

Jim, KB7ADHHHHH, our Vice President asks that everyone bring any AES receipts they have to the club meetings - copies are OK.

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ARRL - A HAM'S BEST FRIEND?

By Dale, W7FBP

Many new hams have joined the Amateur Radio fraternity in the last few years, and a few old-timers have rejoined the active ranks of hams. In an attempt to inform these individuals, this article will provide a look at the ARRL and some of the benefits we amateurs derive from its existence.

Overall, the ARRL is a watchdog for all amateurs. It is a National organization who keeps an eye on, and an ear cocked on the Washington scene for us. It is there any time another spectrum user starts looking at all of the valuable spectrum "going to waste" in a non-money making service.

I'm sure you have been hearing about the Little Leo situation and the desires of commercial interests to take over some of our frequencies. This attempt never really got off the ground because our league organized the scientific and technical arguments to show that sharing within an active ham band wouldn't be very practical.

Then the FCC started making rules to require owners of all transmitters radiating over 50 watts to be able to certify that their installations were not causing *near field radiation* that might be too intense for the neighbors. ARRL immediately began investigating this proposal and the league's Ed Hare jumped right in with a few questions that apparently got the attention of the FCC staff. Questions such as: Why set a 50 watt limit? Shouldn't this power level also be related to the frequency of the transmission? Shouldn't our ham license testing cover this? The league led the efforts to get this requirement delayed a year, and then achieved a modification to the point that most of us who operate on the HF bands with 100 watts or less, no longer have to worry about it, except for 10 and 12 meters.

The FCC used to be staffed by engineers and people with technical know-how. However, in the last few years more attorneys, professional administrators, and others with limited technical backgrounds (but political backing?) have moved into the FCC staff jobs. This is the reason more solutions are sought by using regulatory means than technology.

Get ready for more problems with owning a scanner of VHF/UHF ham radio that can receive out of band. All of us need a strong, technically intelligent voice in Washington DC - the ARRL is that voice that speaks for us - we really need to support its efforts on our behalf.

Becoming a member of ARRL, or renewing your membership is just more than receiving a magazine each month. The magazine, *QST*, may not

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exactly match your criteria for a ham radio magazine, but it is a well written, informative, and technically advanced publication. Your annual dues are not spent on publishing this monthly magazine – the ads pay for 95% of the publishing and mailing costs – your dues money is spent on protecting and improving the amateur radio community's ability to continue to have quality operating options.

So, what's the bottom line? We, you and I, need the League's support, and the League needs our support! You may have a few reservations or even dislikes about *some* of the activities of the league, but overall they have been doing, and I'm sure will continue to do, a great job of protecting our interests.

Want to support your hobby? It is easy – see your Treasurer at the next meeting, call him up on the phone and ask for an application, or just go ahead and send him a check for \$34.00 for a year's dues. A special dues rate of \$28.00 is available for seniors (65 or older). OTVARC realizes a couple of bucks for the treasury when you join or renew through the club. (See inside the back page for the club address)

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CLUB BADGES AND JACKETS

By Carl, WS7L

Name badges and jackets continue to be available. Contact Carl, WS7L, at a club meeting or at 629-5796.

Badges are \$7.50 and will be ordered monthly or as demand warrants.

Jackets must be ordered in lots of six, so I will hold orders until I have six and then reconfirm with you. Current price for a lined jacket is \$36.25; unlined is \$33.89. Name and call embroidered on the front is \$4.50 extra.

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OCTOBER BOARD MEETING

By W7OTV

Abbreviated Minutes Of The 22 October '97 Meeting

1. Attendees were Betty Mickley, Jim Schaffer, Hanford Van Ness, Dale LeBarron, Jack Smithson, Will Sheffield, Janet Bell and Chuck Mickley.

2. Van reported income of \$668 from SeaPac and \$207 for repeater contributions, with Betty donating \$90 of that. Expenses were \$165 in repeater costs for site rental for six months.

3. Reports and discussion on the New Officer Handbook which is being prepared for the '98 officers.

4. Discussion on expenses and budgeted amounts. It was agreed that any expense over \$200 must be approved by Betty or Jim, and that postage will be left off the envelopes sent to members for returning the voting ballots for counting.

5. Jim will replace Alan, KB7POR, as coordinator of the 5th Wednesday contest.



*Remember the
Holiday Party on
December 8th!*

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FOR SALE

By Janet, KA7FJC

This ad is being placed in the newsletter for one of my CAP cadets. He has a 2 meter transceiver for sale.

FOR SALE: Alinco DJ582T, 2 meter amateur radio. It has been modified for CAP/MARS use. Accessories include a charger and an extra 5 watt battery. Asking \$400, but would consider an offer.

Call Justin Rocha at 503 621-3791 in Scappoose.

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YOU KNOW YOU'RE A HAM WHEN.....

By W7OTV

The following submissions were submitted by OTVARC members at the November general meeting. They are not listed in any special order. A few were signed.

You know you are a ham when.....

~You are into a 160 meter contest and the neighbor lady across the street knocks on your door and tells you, "You're getting into my organ." A true story says Al, WB7SIC.

~Your car has more antennas than wheels.

~You can't remember the name of your first girl friend, but you *can* remember the model # and price of your first radio.

~You honk ..-.. when someone cuts you off in traffic.

~People look at you funny because you say "ZED" instead of "ZEE." Unsigned

~Instead of a beware of dog sign, your lawn sign says "Danger High Voltage." By Dave, KC7RRJ.

~Your 40 meter dipole antenna lead breaks 50 feet up and you have no ladder that long to reach it. Unsigned.

~The spare bedroom is wired for 220Volts.

~Your weekend activities revolve around Public Service events.

~You select a new car based on how well it's hardened against RFI.

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~You know what the morse code ring option on the cell phone really means.

~You can't find anything else at Radio Shack that you need or want. Unsigned.

~You can jump start your car with your station power supply. Unsigned.

~As a good proud father, you are disappointed when you child's first utterance of da da is just trying to say Mom, not in morse code. AE7W

~When the "Welcome to ham radio" mailings exceed the political mailings. Unsigned.

We will have more of these next month. Please bring your submissions to the December meeting, e-mail them to me at daleleba@web-ster.com, send on FAX to 503-638-8713, telephone 503 638-7768, or send a post card to 23051 SW Mountain Road, West Linn, OR 97068.

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NOTICE

December Board Meeting is on the 17th this month. The usual fourth Wednesday falls on Xmas Eve.

EQUIPMENT LOAN PROGRAM

By W7OTV

If you don't operate on HF because you don't have the equipment, OTVARC may have the answer for you. Some used, but very usable, equipment has been donated to OTVARC for the purpose of lending it to members who do not have their own equipment. There is no cost to OTVARC members.

Right now, we have a Heath HW-101 looking for a good temporary home. This is a 100 watt 80 through 10 meter SSB and CW transceiver. We also have a few bucks in a fund to buy accessories such as an antenna tuner to lend with the transceiver if you need one of those.

This is a great way to see if you like the world of HF without making a large investment in equipment. A typical equipment loan would be for a period of six months at which time the loan would be reviewed and possibly extended if the equipment is actually being put to good use by the borrower. Otherwise, we would recall the equipment and look for another person who wants to use it.

If you have some equipment that is surplus to you and you think it could be loaned to others through this program, please contact me and we will discuss it. You will not necessarily have to give up your ownership of the equipment since you will not have to actually donate it to OTVARC.

Contact Stan Griffiths, W7NI at 649-0837 if you are interested in this program.



Please remember to vote for next years officers and return your ballot to be counted by December 8th.

ESTATE SALE BY KEN DAVENPORT

By Ken, K7SXI

Tom Beckman, K7ABF, died recently, so I am helping his widow with the disposition of his station equipment, plus "stuff" I don't recognize.

He was very ill for over 6 years and I helped him operate the station, so I am familiar with the station components. This is a good opportunity for a new ham to get on the air at relative (compared to new equipment) low cost. I know that the following work:

*Kenwood TS 520 transmitter/receiver - \$300

*Vertical antenna, Telex Hy-gain, 14AVQ/WB, 10 to 40 meters. with mounting tripod, radials and transmission lines - \$35

The rest of the equipment I have not used, or even heard of:

*UDM-103 microphones

*Electric Instrument, transmitter Model 780 (it may have Marconi fingerprints on it).

*Heathkit Automotive Tune-up Kit, with instruction book.

*Heathkit Model CO-1015 "scope, with instruction book. This may go with the Automotive Tune-up Kit.

*Heathkit, HP-13 power supply

All prices are negotiable, even the one I could not get estimates on.

Call Ken Davenport, K7SXI, at 503 646-1786.
2030 SW Roxbury Ave
Portland, OR 97225-5139

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LITTLE LEOS DEFEATED AT WRC-97

From The ARRL Letter

The 1997 World Radiocommunication Conference concluded its talks in the early morning hours of November 21 in Geneva, Switzerland. Amateur Radio survived WRC-97 largely unscathed, but the stage has been set for renewed spectrum battles at WRC-99.

The Little LEOS (non-voice, non-geostationary mobile satellite interests) - which put a huge scare into the ham radio community in 1996 with their proposals to share ham radio VHF and UHF bands - were unable to muster much support for new allocations at WRC-97. However, they came away with up to 3 Mhz of additional spectrum on a regional basis, in the bands between 454 and 460 Mhz. The Little LEOS also got a resolution calling for urgent studies in preparation for WRC-99 - what some at the conference

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called "a hunting license" for additional VHF/UHF spectrum. A second issue that will recur at WRC-99 is finding a place in the 420-470 Mhz frequency range for the Earth Exploration Satellite Service (EESS). Synthetic aperture radars (SARS) using frequencies in this range are said to be capable of penetrating the rain forest for mapping purposes.

Two significant ham radio-related issues failed to make the cut for consideration at WRC-99. For budgetary reasons, the WRC-97 delegates had to limit the WRC-99 agenda only to the most urgent issues. Pushed back to the tentative agenda for WRC-2001 were the possible realignment of the 40 meter band to resolve a conflict between hams and broadcasters in part of the band along with possible expansion of broadcasting bands between 4 and 10 Mhz), and Article S25 of the international radio regulations. Article S25 contains the international regulations specific to the Amateur and Amateur-Satellite Services, including the Morse code requirement for operation below 30 Mhz.

In other allocations decisions, amateur satellite segments were not included among allocations for wind profiler radars. Except for a worldwide primary allocation at 1270 to 1295 Mhz, the only specific allocations for wind profiler radars are in Region 1, and those are on a secondary basis. Region 2 administrations were urged to implement wind profilers in radiolocation bands at 440 to 450 Mhz, 904 to 928 Mhz (protecting the lower, weak-signal segment), 1270 to 1295 Mhz (protecting amateur satellite and weak-signal), and 1300 to 1375 Mhz. The delegates agreed that the bands 420 to 435 Mhz or 438 to 440 Mhz could be considered for in situations where there was incompatibility between wind profiler radars and other radio applications at 440 to 450 Mhz or 470 to 494 Mhz (only in some Region 1 countries). In this case, too, the amateur-satellite segment is protected.

Several Region 1 (primarily European) countries deleted footnoted exceptions to the international table of allocations in the 1810 to 1830 KHz range, expanding the usability of 160 meters for ham radio. North Korea was persuaded to drop its bid for footnoted exceptions to the allocations table that could have affected some ham radio bands in that part of the world.

Amateur Radio was represented at WRC-97 by a multinational team of International Amateur Radio Union officials, including Secretary Larry Price, W4RA, Vice President Michael Owen, VK3KI, and Region 1 Vice Chairman Wojciech Nietyksza, SP5FM. They were assisted for a time by Tafa Diop, 6WIKI, and Eduardo Estrada, HC2EE, who are members of their respective regional executive committees. Numerous radio amateurs attended the conference in official capacities on behalf of their national administrations, including ARRL Technical Relations Manager Paul Rinaldo, W4RI, who served on the US delegation.

In all, 1801 delegates from 142 countries registered at the conference. Another 141 observers from regional and international organizations also attended.

HAPPY HOLIDAYS

NOVICE/TECHNICIAN LICENSE CLASS STARTING

By W7OTV

A Novice license class will be starting January 6, 1998, at Portland Community College. The class covers material for Novice and Technician license. It prepares the student for either of the FCC license tests. The class text will be "Now Your Talking," 3rd Edition.

Tuition is \$50.00 with a Fee of \$3.00. First class is 7PM to 9PM on Tuesday, January 6th. Class runs each Tuesday through March 10th.

This is a Community Education Class. Call Janice Dolan at 523-2703 for more information or pick up a PCC Schedule and follow the instructions on Page 6. Information on the class is shown on Page 133.

Early pre-registration is recommended.

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NW DIRECTOR'S GENERAL ANNOUNCEMENTS

By Mary Lou Brown, NM7N

RF EXPOSURE COMPLIANCE

Supplement B to OET #65, which is written to assist amateurs in evaluating their stations, was released November 18TH on the FCC web site.

Fortunately I have been able to obtain a copy via e-mail from a Technical Adviser in the Division. Counting all the tables it comes out to be over 80 pages. I have been wading through the material and find it quite useful for evaluating stations. A couple of things need to be pointed out to the amateurs in your area.

One is that the tables represent a worst case situation, i.e. key down for 30 minutes. In other words the duty cycle is not taken into consideration. However, amateurs are permitted to take duty cycles into consideration in their final calculations. The document also gives typical duty cycles for several modes of operation.

Most people can simply look at the tables and determine that they are in compliance. Although they may need to figure in their duty cycle. Information on how to figure duty cycle for the various modes is given in the worksheet section of the document. If they are within the limits, that is it. If not or borderline they may wish to go through the process of figuring it out from scratch or by using an acceptable computer analysis program.

I tried out the worksheet on our set up for the 10 meter band and though at first glance all was not clear, I did manage to work through it and come out in agreement with the ARRL tables which are based on NEC 4 antenna modeling program. As of January 1.

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1998 all amateurs must be in compliance with the new regulations. There is no paper work that one has to do. However, whenever one fills in a 610 Form one will have to sign that they have read the regulations and that they operating their station in compliance with the regulations.

The January issue of QST, which comes out in mid-December will have additional information to assist amateurs in evaluating their stations.



OTVARC VE TESTING SUCCESSFUL

By Carl, WS7L

The first test session held by the reconstituted OTVARC VE team was held on Sunday 28 September. We tested four applicants on a total of six elements, resulting in two new Technician licenses and one upgrade from Novice to Tech+.

Thanks go to the VE team, K7QXG, K7FW, K7GY, K7GL and especially to KA7MIF who was my invaluable mentor in organizing the session. Also thanks to the other VE's who offered to help.

I plan to try a bimonthly exam schedule to see how that works, as the trend locally is toward smaller, more frequent test sessions. Also, I have seen some demand for Saturday sessions. So the schedule I am planning at this time is the first Saturday of even-numbered months.

Exams during 1998 are planned for 2 Feb, 4 Apr, 6 June, 1 Aug, 3 Oct, 5 Dec. Watch the newsletter for details.



A LITTLE GUN GOES CONTESTING

By Carl, WS7L

I'm a radio wimp - the 98 lb. weakling of the ham bands. Like most hams on HF, I have a modest station - a 100 W transceiver running to a dipole up about 40 ft. And it isn't even an honest horizontal dipole anymore. Ever since our big oak fell down in that heavy, wet snow we had last winter, it's been a sloper. With no 100 ft. tower, no stacked Yagi antennas, no 1.5 KW amplifier, I have no business being on the HF bands during a contest, right? Wrong! I tried it recently and found out that contesting with even a wimpy station can be a lot of fun.

I picked up the October '97 issue of QST and read the article "An Average Op's Guide to Contesting Fun" by Kirk Kleinschmidt, NT0Z. He points out that there are only so many "big gun" stations. Once they've all worked each other, they need US, the little guys, to rack up the big scores. Not only do they not detest our mere presence, they actually WANT contacts with us!

Armed with this and a few other tips from Kirk's article, I fired up the station for the last few hours of the ARRL CW Sweepstakes at about 1820Z on Sunday 02 Nov. Within an hour I had 11 contacts and 11 multipliers. (In this contest, each ARRL or RAC section counts as a multiplier.) By the end of the contest at 0300Z Monc I had 105 contacts and 47 of 79 possible sections worked, reaching a peak rate of 20 QSOs/hr as my skills returned with the practice.

But what about phone? A puny station can put out an audible signal on CW but would have no business being on the bands during an SSB contest, right? I had two weeks to wait before I could find out in the SSB Sweepstakes. I was able to work (i.e. play) both days, netting 164 contacts and 60 of 79 sections. My best hour was 2300Z Saturday when I made 23 contacts on 20 meters, most of them new multipliers. 43 states plus 4 provinces and the Virgin Islands went into the log that weekend.

So a modest station CAN make a reasonable rate of contacts in a contest. Between the two weekends I worked 46 states and 66 of 79 sections. I won't score way up there with the big boys, of course, but I had bushels of fun. Even the kids got to help. They keyed in some of the log entries during the SSB contest, and later drew a US map and wrote all the call signs in the states where they were worked. A major benefit for me was the chance to brush up my CW contest skills, which deteriorates pretty badly from one Field Day to the next. A few contests during the year will keep my ears in tune, and that will translate to better OTVARC rankings on Field Day.

Being a US/Canada event, the Sweepstakes is an excellent opportunity for a small station. It's like Field Day without the tent. However, a puny station like mine would have no business being on the bands during a DX contest, right? For example, the CQ World Wide DX Contest (CW) coming up on Thanksgiving weekend.



1998 OFFICER CANDIDATES AWAIT YOUR VOTE!

By W7OTV

Yep, the election of officers and board members is here again. You should have received a mailed slate of candidates (ballot) for the 1998 OTVARC year. Mark your choices and either mail it in (in the pre-addressed envelope) or bring the ballot with you to the next general meeting and turn it in to the election officials.

The slate of candidates is:

President	-	Betty Mickley, N7REX
Vice President	-	J D Fort, KC7EHT
Secretary	-	Dale LeBarron, W7FBP
Treasurer	-	Hanford Van Ness, KE7BB
Trustees	-	Janet Bell, WB7FJC
	-	George Bates, KC7LOP
	-	Mike McDonald, KC7LA
	-	Maureen O'Rourke, KA7LAP
	-	Al Berg, WB7SIC

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Three trustees need to be elected.

All votes received by the start of the meeting will be counted at the meeting, 10 December, 1997. (This is the Christmas meeting)

Remember, your vote *can* make a difference!

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AREA VE TESTING SCHEDULED

By K7OTV

Phantom Amateur Radio Club (PARG)

Second and fourth Sunday of each month

Contact John, KA0SSF, at 503-626-7399

Salem Amateur Radio Club

Third Saturday of each month

Contact Sandy, N7TQQ, at 1-800-920-9604

Clark County Amateur Radio Club

Contact 360-896-8909

Portland Adventist Radio Club

Contact Edith, KA7MIF, at 642-5803

Hoodview Amateur Radio Club

December 6th

Contact Patsy, KA7MZZ, at 503-668-4305

Oregon Tualatin Valley Amateur Radio Club

2 Feb., 4 Apr., 6 June, 1 Aug., and 5 December

Contact Carl Clawson at 503-629-5796

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ARIZONA QRMer TO PAY UP

From The ARRL Letter

Hams in Arizona are cheering, now that a man fined by the FCC for malicious interference and other rules violations has finally agreed to pay up. Last year, the FCC fined Timothy Harold Hoffman of Phoenix \$6000 for repeated violations, including interference to Phoenix-area repeaters. The violations were called to the Commission's attention by the Arizona Repeater Association's ARRL-sanctioned Local Interference Committee.

Hoffman was cited for five specific violations, including transmitting on ham frequencies without a valid operator or station authorization, and willfully and maliciously interfering with ham radio communications.

"The system does work," Lance Halle, KW7LH, said in alerting the ARRL to the October 26 judgment by US District Court judge Robert C. Broomfield. Hoffman will pay off his fine in increments of \$200 per month. "Spread the word! Maybe this will deter some of the would-be interferers."

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FCC ISSUES RF SAFETY SUPPLEMENT B TO OET BULLETIN 65

From The ARRL Letter

Hams now have basic guidelines and tools to evaluate their stations for compliance with the FCC's RF exposure guidelines that start phasing in January 1, 1998. The FCC's Office of Engineering and Technology issued the long-anticipated Amateur Radio Supplement B to its OET Bulletin 65 on November 18.

The FCC worked closely with the Amateur Radio community to develop the new supplement. Several ARRL Headquarters staff members and Technical Advisors reviewed preliminary drafts of the supplement. ARRL Lab Supervisor Ed Hare, W1RFI, has been the League's point man for RF safety and exposure issues. "It has been my pleasure to work with the FCC staff and the amateur community in finalizing Supplement B," Hare said. "All who have been part of this process deserve the thanks of the entire amateur community."

Supplement B, entitled Additional Information for Amateur Radio Stations, contains detailed information specific to ham radio stations. It is designed to be used in conjunction with the FCC's OET Bulletin 65 (Version 97-01), Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields. The revised Bulletin 65 was issued earlier this year. Supplement B covers definitions of RF radiation and discusses the FCC exposure guidelines and their applications, methods of predicting human exposure, estimating compliance distances, and controlling exposure to RF fields. The supplement runs approximately 70 pages. Among its noteworthy highlights are numerous

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antenna configurations to help hams determine whether their stations comply with the FCC's published RF exposure guidelines. Most tables show compliance distance – the distance that an antenna needs to be located from areas of exposure to be in compliance. (For a closer look, see "FCC RF-Exposure Regulations – the Station Evaluation," by Ed Hare, WIRFI, which will appear in the January issue of QST.)

The new RF exposure rules go into effect January 1, 1998 for all new stations and for those filing a Form 610 with the FCC after that date. Existing stations have until September 1, 2000 to comply with the new rules. But, existing stations making changes that could affect RF exposure from their station--such as increasing power or relocating antennas--must evaluate that change if done after January 1, 1998.

Mobile and portable (hand-held) devices using push-to-talk operation generally are also exempt from evaluation. But, all stations – regardless of power level – still must comply with the RF exposure limits that become effective new year's day.

OET Bulletin 65 and the new Supplement B are available at <http://www.fcc.gov/oet/info/documents/bulletins/#65>. Copies are available from International Transcription Service Inc, 1231 20th St NW, Washington, DC 20036; Tel 202-857-3800; fax 202-857-3805.



CLUB MEMBER HONORED BY MS SOCIETY

From the Aloha Breeze, 26 November

The Oregon Chapter of the National Multiple Sclerosis Society is honoring Betty Mickley of Aloha.

Mickley was a finalist for the 1997 Achievement Award, which goes to a person with multiple sclerosis (MS) in Oregon or Clark County, Wash., who exhibits initiative, resourcefulness and perseverance in adapting to MS and pursuing activities despite the obstacles imposed by the disease.

The 1997 winner was Sarah Warnock, 18, a member of the Oregon City High School girls basketball team, the nation's top-ranked girls team the past two years.

Mickley is a mathematics teacher at French Prairie Middle School, president of the Oregon Tualatin Valley Amateur Radio Club and a board member of the Northwest Astronomy Group.

She also has coordinated lunch for more than 400 people during the Oregon Chapter's MS150 Bike Tour. Mickley and her husband, Chuck, have two grown children.

'Betty has not allowed MS to rule her daily life,' said her husband in nominating her for the award. 'She is very much determined to rule her MS for as long as she can.'



BORSCH ELECTRONICS

Communications Servicing

9935 S.W. Johnson St.
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OTVARC Club Contacts

OTVARC Executive Board

President	Betty Mickley	N7REX	642-1284
Vice President	Jim Schaeffer	KB7ADH	245-2518
Secretary	Dale LeBarron	W7FBP	638-7768
Treasurer	Hanford Van Ness	KE7BB	246-7975
Trustee	Jack Smithson	KA7HOJ	646-1873
Trustee	Will Sheffield	N7THL	642-7314
Trustee	Janet Bell	WB7FJC	648-4147
Trustee	Al Berg	WB7SIC	640-5456
Trustee	Stan Griffiths	W7NI	649-0837

Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	472-2716
Bunny Hunting	OPEN		
Contesting	OPEN		

DX News	Rich Jones	KG7FS	645-9417
Equipment Loan	Stan Griffiths	W7NI	649-0837
Equipment Valuation	Randy Stinson	KZ7T	297-1175
Equipment Trustee	Al Berg	WB7SIC	640-5456
Emergency Services	J.D. Fort	KC7EHT	629-8050
Field Day Coordinator	Alan Chinnock	KB7POR	636-2237
Health & Welfare	Mary Berg	N7TRW	640-3456
Historian	Al Berg	WB7SIC	640-5456
Internet Home Page	Marc Chamberlin	WA7PWX	357-1869
Member Badges	Carl Clawson	WS7L	629-5796
Newsletter Editor	Dale LeBarron	W7FBP	638-7768
Newsletter Layout	Dale LeBarron	W7FBP	638-7768
Newsletter Distribution	Al Berg	WB7SIC	640-5456
Nominating Committee	Randy Stinson	KZ7T	297-1175
Packet - Club BBS	Rick Braun	KB7OGD	645-1490
Project Night	Alan Chinnock	KB7POR	636-2237
Public Relations	Chuck Mickley	KI7CL	652-1284
Public Service	Bill Mervin	N7VZF	644-1974
Repeater	Randy Stinson	KZ7T	297-1175
RFI & TVI	Wes Allen	K7WWG	649-3295
Satellites	Dale Mosby	K7FW	640-0217
Scholarship	Open		
Sea-Pac	Carl Clawson	WS7L	629-5796
"	Al Berg	WB7SIC	640-5456
"	Brad Beach	N7NVC	657-1781
"	Jim Schaeffer	KB7ADH	245-2518
Station Trustee	Randy Stinson	KZ7T	297-1175
Social	Chuck Mickley	KI7CL	642-3713
Technical Specialist	Geno Buell	KA7KBH	614-0563
Tower Ordinances	Stan Griffiths	W7NI	649-0837
Trailer	Greg Milnes	W7AGQ	648-6990
Training(code)	Dee Lynch	KA7NPN	646-4580
Training(Novice/Tech)	Burt Rooke	KI7JX	241-2891
Training(upgrade)	Burt Rooke	KI7JX	241-2891
VE Test Coordinator	OPEN		
VHF/UHF	Carl Clawson	WS7L	629-5796
	Arnold Jensen	N7YAG	543-3713

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OTVARC Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective as well as established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, the intent is to promote the advancement of Amateur Radio Service, through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during public events & community activities.
3. Emergency communications during emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits from you joining the ARRL through OTVARC. To join or renew your membership in the ARRL, contact the treasurer at any regular meeting.

Newsletter: The *OTVARC Oscillator* is the club newsletter. It is published monthly and is usually mailed on the first of the month. The opinions, views, and recommendations of its contributors are not necessarily those of the club, its officers, advertisers or the editorial staff.

Correspondence: All correspondence may be sent to OTVARC, PO Box 5132, Aloha, OR 97006-0132.

Advertising: Classified ads are free to all paid up members. Display ads are available to approved commercial interests. To place an ad, mail your camera ready copy to the address above and indicate the size desired. All display ads run for six months at a time, from January through June and July through December. All ads must be paid for in advance. Rates are as follows:

Full page	8" X 10"	\$200 for six months
Half page	8" X 5"	\$120 for six months
Our page	4" X 5"	\$72 for six months
Bus. Card	2" X 3"	\$36 for six months

Meetings: We have two meetings per month. The board meeting is on the fourth Wednesday of each month. All club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Lodge, 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.00.

Membership: OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are as follows: Full member, \$10/yr. Associate member (non-licensed), \$10/yr. Family members of full member, \$5/yr. Life memberships available - see the Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club treasurer for prorated dues.

How to join: Simply mail the Membership application and/or renewal form along with your dues to the address above.

Internet Home Page: WWW.EASYSTREET.COM/OTVARC

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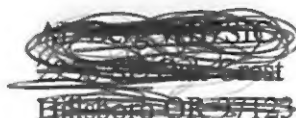
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OTVARC

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